EZ series TECHNICAL BULLETIN

ISSUE NO. EZT-027

MODEL: EZxx1 series DATE: 6 Mar, 2012

Data Category ☐Field Modification ☐Trouble Shooting ☒General Information ☐Safety Advice

Our Ref.

SUBJECT: EZxx1 Initial information

Brief:

EZT-027-1 EZxx1 Technical improvement and differential from EZxx0

EZT-027-2 EZxx1 Series Exclusive Parts List

EZT-027-3 EZxx1 Series Preventive Maintenance Schedule

Please refer to the attached documents.

Attached documents:

EZT-027-1 EZxx1 Technical improvement and differential from EZxx0

EZT-027-2 EZxx1 Series Exclusive Parts List

EZT-027-3 EZxx1 Series Preventive Maintenance Schedule

Issued By Overseas Technical Sec., Riso Kagaku Corp.

EZxx1 technical improvement and differential from EZxx0

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    1-1. ECO mode
    1-2. Contrast adjustment
    1-3. Tone curve adjustment

2. New accessory
    2-1. New Document Memory card

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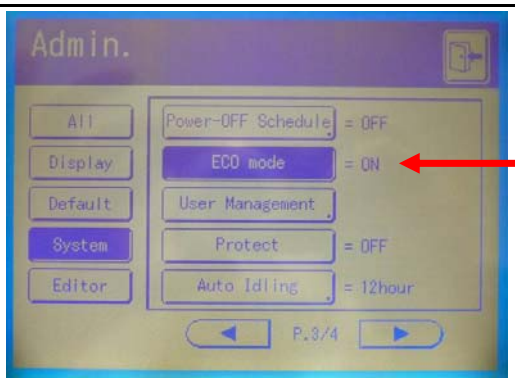
4. Others

RISOKAGAKU Corporation
Overseas Technical Department
As of March 2012

1-1. ECO mode

EZ5x1
EZ3x1

Brief	Reduces 3% of power consumption.	
Applicable part	Firmware	
Setting procedure *Refer to the user manual	Admin. >ECO  	EZ5x1
	Custom Setting mode "28-1" "1" ECO mode ON "0" ECO mode OFF 	EZ3x1
Indicate	Icon in the top screen. 	EZ5x1
	When Power ON or return from sleep mode, "ECO" is displayed for 3 seconds. 	EZ3x1
Details	< In ECO mode > Default Print speed "3". Default Print density "1" (Lightest). Backlight lightness is fixed to "-2" (Only EZ5x1).	

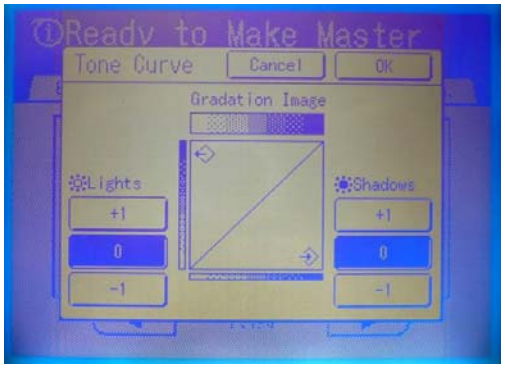
1-2. Contrast adjustment (Photo)

EZ5x1

Brief	Scanning contrast can be adjusted to accommodate background color or ink density of the original. (It is the same function as the current high-end model.)	
Applicable part	Firmware	
Setting procedure *Refer to the user manual	Functions >Contrast Adj >"Lighter" or "Darker" 	
Details	# If the "image" is set to "Line", "Duo" or "Pencil", "Contrast Adj" cannot be used. # When Power is OFF, the setting is reset to default.	

1-3. Tone Curve adjustment (Photo Gradation)

EZ5x1

Brief	Light and shadow portions of a photo can be adjusted. (It is the same function as the current high-end model.)	
Applicable part	Firmware	
Setting procedure *Refer to the user manual	Functions >Tone Curve >"Lights" and "Shadows" to "+1" or "-1" 	
Details	# If the "image" is set to "Line", "Contrast Adj" cannot be used. # When Power is OFF, the setting is reset to default.	

2-1. New Document Memory card

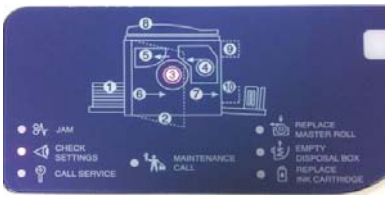
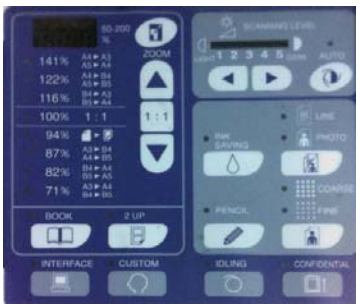
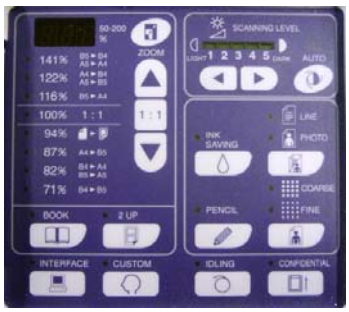
EZ5x1
RZ10
MZ10/8

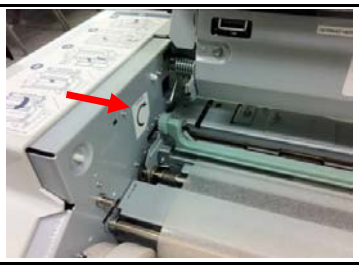
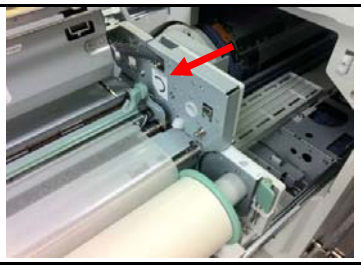
Brief	Increase the document memory card from 128MB to 512MB.	
Applicable part	Option product "S-7017"	
Details	In order to avoid that a list display becomes slow, the number of files which can be saved at one folder is limited to 250 files. If Customer is going to save more than 250 files, "F34-835 !! The Number of Storage Data has Become Full !! Clear Old Storage Data in the Selected Folder" is displayed. And, technician can cancel this limit by setting a test mode 3370 to 1. (Default is 0.)	

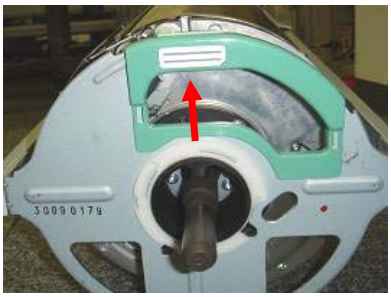
3-1. Color Universal design approval

EZxx1

Brief	Renew the color of the control panel etc.	
Applicable part (1)	Emblem	
Details	Change the color (All 3 colors) EZ2x0 → EZ2x1	EZ201E EZ231E EZ221U EZ231U EZ201A EZ221A EZ231A ES2551ZL ES2561C ES2591C
	Change the color (Only "Z" upper part) EZ2x0 → EZ2x1	EZ2001AG EZ2301AG
	Change the color (Only "Z" upper part) EZ3x0 → EZ3x1	EZ301E EZ371E EZ391U EZ331A EZ371A ES3561C ES3751C ES3761C ES3791C
	Change the color (Only "Z" upper part) EZ3x0, 5x0 → EZ3x1, 5x1	EZ3701AG EZ5701AG
	Change the color (Only "Z" upper part) EZ5x0 → EZ5x1	EZ571E EZ591U EZ571A EZ531A ES5791C

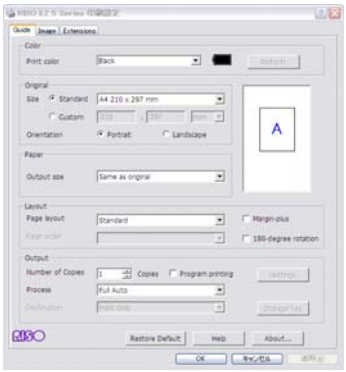
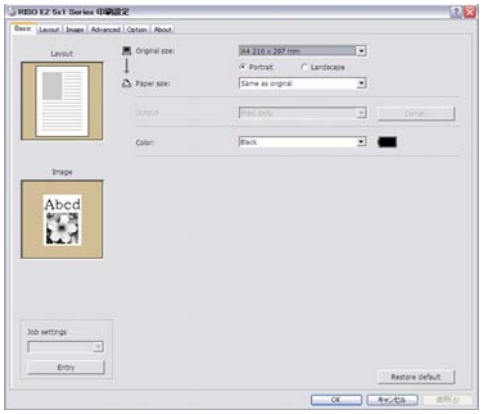
Applicable part (2)	Panel Unit	
Details	Improvement in visibility by the clearness up of Start Key. Not lighted EZxx0 → EZxx1 Lighted EZxx0 → EZxx1	EZxx1
	Change the color and the brightness of LED.  EZ2x0, 3x0 → EZ2x1, 3x1	EZ2x1 EZ3x1
	Changed the ground color of Sheet ; Mode Setting. EZxx0 → EZxx1	EZxx1
	Changed the ground color of Sheet ; Print Control. EZ5x0 → EZ5x1	EZ5x1
	Changed the ground color of Sheet ; Print Control. EZ2x0, 3x0 → EZ2x1, 3x1	EZ2x1 EZ3x1
	Changed the ground color of Sheet ; Sub Panel.  EZ2x0, 3x0 →  EZ2x1, 3x1	EZ2x1 EZ3x1

Applicable part (3)	Separator	
Details	Change the color. EZxx0 EZxx1	EZxx1
Applicable part (4)	Caution Label	
Details	 EZxx0 EZxx1	EZxx1
Applicable part (5)	New Label for improvement in visibility of Master setting.	
Details		EZxx1
		EZ5x1 EZ3x1
	 	EZ2x1

Applicable part (6)	New Label for improvement in visibility of Drum Rear Handle.	
Details		EZxx1
Applicable part (7)	New print for improvement in visibility of Stripper adjustment.	
Details	EZxx0 EZxx1	EZxx1

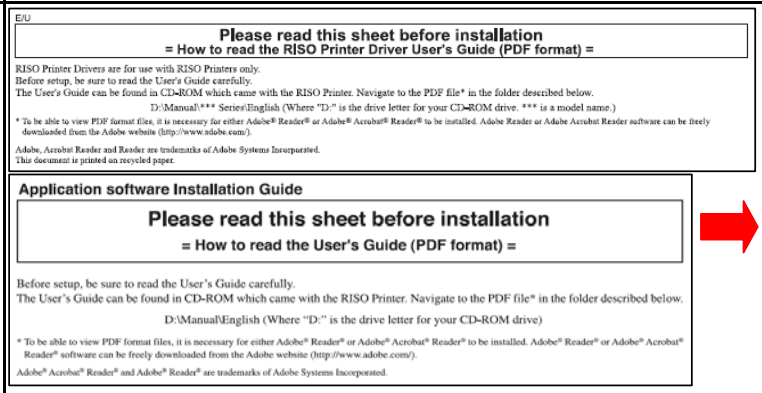
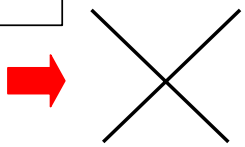
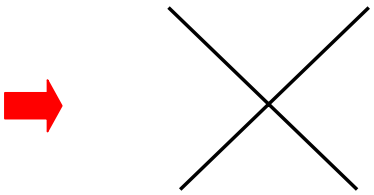
3-2. Universal design printer driver

EZxx1

Brief	Use the same printer driver as the high-end RZ10.	
Applicable part	Printer Driver	
Details	 EZxx0  EZxx1	

4. Others

EZxx1

Brief	Abolish the enclosed paper document.	
Applicable part	Application software Installation Guide RISO Printer Driver Installation Guide	
Details	 E/U **Please read this sheet before installation** **= How to read the RISO Printer Driver User's Guide (PDF format) =** RISO Printer Drivers are for use with RISO Printers only. Before setup, be sure to read the User's Guide carefully. The User's Guide can be found in CD-ROM which came with the RISO Printer. Navigate to the PDF file* in the folder described below. D:\Manual*** Series\English (Where "D:" is the drive letter for your CD-ROM drive. *** is a model name.) * To be able to view PDF format files, it is necessary for either Adobe® Reader® or Adobe® Acrobat® Reader® to be installed. Adobe Reader or Adobe Acrobat Reader software can be freely downloaded from the Adobe website (http://www.adobe.com/). Adobe, Acrobat Reader and Reader are trademarks of Adobe Systems Incorporated. This document is printed on recycled paper. **Application software Installation Guide** **Please read this sheet before installation** **= How to read the User's Guide (PDF format) =** Before setup, be sure to read the User's Guide carefully. The User's Guide can be found in CD-ROM which came with the RISO Printer. Navigate to the PDF file* in the folder described below. D:\Manual\English (Where "D:" is the drive letter for your CD-ROM drive) * To be able to view PDF format files, it is necessary for either Adobe® Reader® or Adobe® Acrobat® Reader® to be installed. Adobe® Reader® or Adobe® Acrobat® Reader® software can be freely downloaded from the Adobe website (http://www.adobe.com/). Adobe® Acrobat® Reader® and Adobe® Reader® are trademarks of Adobe Systems Incorporated.  These show the whereabouts of each USER'S GUIDE.	
Brief	Abolish the enclosed part.	
Applicable part	Case ; User's Guide	
Details	It can order as spare parts. (021-11243-002) 	

EZxx1 Series Exclusive Parts List

Newly registered parts for EZxx1 series are listed below.

Emblem			Applicable models	Note
1	054-34005-002	EMBLEM ; EZ571E	EZ571E	*New*
2	054-34006-009	EMBLEM ; EZ591U	EZ591U	*New*
3	054-34007-005	EMBLEM ; EZ531A	EZ531A	*New*
4	054-34008-001	EMBLEM ; EZ571A	EZ571A	*New*
5	054-34009-008	EMBLEM ; EZ5701AG	EZ5701AG	*New*
6	054-34010-103	EMBLEM ; ES5791C	ES5791C	*New*
7	054-34012-009	EMBLEM ; EZ301E	EZ301E	*New*
8	054-34013-005	EMBLEM ; EZ371E	EZ371E	*New*
9	054-34014-001	EMBLEM ; EZ391U	EZ391U	*New*
10	054-34015-008	EMBLEM ; EZ331A	EZ331A	*New*
11	054-34016-004	EMBLEM ; EZ371A	EZ371A	*New*
12	054-34017-000	EMBLEM ; EZ3701AG	EZ3701AG	*New*
13	054-34018-104	EMBLEM ; ES3561C	ES3561C	*New*
14	054-34019-100	EMBLEM ; ES3751C	ES3751C	*New*
15	054-34020-109	EMBLEM ; ES3761C	ES3761C	*New*
16	054-34021-105	EMBLEM ; ES3791C	ES3791C	*New*
17	054-34022-004	EMBLEM ; EZ201E	EZ201E	*New*
18	054-34023-000	EMBLEM ; EZ231E	EZ231E	*New*
19	054-34024-007	EMBLEM ; EZ221U	EZ221U	*New*
20	054-34025-003	EMBLEM ; EZ231U	EZ231U	*New*
21	054-34026-000	EMBLEM ; EZ201A	EZ201A	*New*
22	054-34027-006	EMBLEM ; EZ2001AG	EZ2001AG	*New*
23	054-34028-002	EMBLEM ; EZ221A	EZ221A	*New*
24	054-34029-009	EMBLEM ; EZ231A	EZ231A	*New*
25	054-34030-007	EMBLEM ;EZ2301AG	EZ2301AG	*New*
26	054-34031-100	EMBLEM ; ES2551ZL	ES2551ZL	*New*
27	054-34032-107	EMBLEM ; ES2561C	ES2561C	*New*
28	054-34033-103	EMBLEM ; ES2591C	ES2591C	*New*

Panel unit			Applicable models	Note
29	023-37031-105	START KEY ; ENG	EZxx1A/U	*1
30	023-37032-101	START KEY ; PIC	EZxx1E	*1
31	023-37033-205	START KEY ; CH	ESxxx1C	*1
32	046-37001-103	LED-PNL-CTL-PCB	EZ2x1, 3x1	*1
33	054-37001-008	SHEET SUB PANEL ; EZ391U	EZ391U	*New*
34	054-37002-004	SHEET SUB PANEL ; EZ371A	EZ371A	*New*
35	054-37003-000	SHEET SUB PANEL ; EZ371E	EZ371E	*New*
36	054-37004-007	SHEET SUB PANEL ; ES3751C	ES3751C	*New*
37	054-37005-003	SHEET SUB PANEL ; EZ301E	EZ301E	*New*
38	054-37006-000	SHEET SUB PANEL ; EZ221U	EZ221U	*New*
39	054-37007-006	SHEET SUB PANEL ; EZ231A	EZ231A	*New*
40	054-37008-002	SHEET SUB PANEL ; EZ231E/U	EZ231E/U	*New*
41	054-37009-009	SHEET SUB PANEL ; ES2561C	ES2561C	*New*
42	054-37010-007	SHEET SUB PANEL ; EZ221/201A	EZ221/201A	*New*
43	054-37011-003	SHEET SUB PANEL ; EZ201E	EZ201E	*New*
44	054-37012-000	SHEET SUB PANEL ; EZ331A	EZ331A	*New*
45	054-37013-006	SHEET SUB PANEL ; ES3561C	ES3561C	*New*
46	054-37015-009	SHEET PRINT CONTROL ; EZ3 ENG/INCH	EZ3x1U	*New*
47	054-37016-005	SHEET PRINT CONTROL ; EZ3 ENG/MM	EZ3x1E	*New*
48	054-37017-001	SHEET PRINT CONTROL ; EZ3 PIC/MM	EZ3x1E	*New*
49	054-37018-008	SHEET PRINT CONTROL ; ES3 CH/MM	ES3xx1C	*New*
50	054-37019-004	SHEET PRINT CONTROL ; EZ2 ENG/INCH	EZ2x1U	*New*
51	054-37020-002	SHEET PRINT CONTROL ; EZ2 ENG/MM	EZ2x1A	*New*
52	054-37021-009	SHEET PRINT CONTROL ; EZ2 PIC/MM	EZ2x1E	*New*
53	054-37022-005	SHEET PRINT CONTROL ; ES2 CH/MM	ES2xx1C	*New*
54	054-37025-004	SHEET PRINT CONTROL ; EZ5 ENG	EZ5x1A	*New*

55	054-37026-000	SHEET PRINT CONTROL ; EZ5 PIC	EZ5x1E	***New***
56	054-37027-007	SHEET PRINT CONTROL ; EZ5 CH	ES5xx1C	***New***
57	054-37028-003	SHEET PANEL MODE KEY ; ENG	EZxx1A/U	***New***
58	054-37029-000	SHEET PANEL MODE KEY ; PIC	EZxx1E	***New***
59	054-37030-008	SHEET PANEL MODE KEY ; CH	ESxxx1C	***New***
60	054-75001-054	PANEL UNIT ; EZ5X1PIC	EZ5x1E	***New***
61	054-75002-050	PANEL UNIT ; EZ5X1ENG	EZ5x1A/U	***New***
62	054-75003-057	PANEL UNIT ; ES57X1C	ES57x1C	***New***
63	054-75005-050	PANEL UNIT ; EZ371E	EZ371E	***New***
64	054-75006-056	PANEL UNIT ; EZ301E	EZ301E	***New***
65	054-75007-052	PANEL UNIT ; EZ391U	EZ391U	***New***
66	054-75008-059	PANEL UNIT ; EZ371A	EZ371A	***New***
67	054-75009-055	PANEL UNIT ; EZ331A	EZ331A	***New***
68	054-75010-053	PANEL UNIT ; ES37X1C	ES37x1C	***New***
69	054-75011-050	PANEL UNIT ; ES35X1C	ES35x1C	***New***
70	054-75012-056	PANEL UNIT ; EZ231E/U	EZ231E/U	***New***
71	054-75013-052	PANEL UNIT ; EZ201E	EZ201E	***New***
72	054-75014-059	PANEL UNIT ; EZ221U	EZ221U	***New***
73	054-75015-055	PANEL UNIT ; EZ231A	EZ230A	***New***
74	054-75016-051	PANEL UNIT ; EZ201/221A	EZ201/221A	***New***
75	054-75017-058	PANEL UNIT ; ES25X1C	ES25x1C	***New***

Separator			Applicable models	Note
76	023-21002-105	SEPARATOR	EZxx1	***1**

Caution label			Applicable models	Note
77	054-17003-004	INK REPLACE INSTRUCTION STICKER ; PIC	EZxx1	***New***

Master making unit			Applicable models	Note
78	023-75137-278	MASTER ROLL HOLDER ASSY A3	EZ591, 571, 391, 371	***1**
79	023-75138-274	MASTER ROLL HOLDER ASSY B4	EZ531, 331, 231	***1**
80	023-75139-270	MASTER ROLL HOLDER ASSY A4	EZ301, 221, 201	***1**
81	046-75027-175	MASTER MAKING UNIT II ; TA3(G)	EZ591, 571, 391, 371	***1**
82	046-75028-171	MASTER MAKING UNIT II ; TB4(G)	EZ331	***1**
83	046-75029-178	MASTER MAKING UNIT II ; TA4(G)	EZ301	***1**
84	046-75030-176	MASTER MAKING UNIT II ; KB4(G)	EZ231	***1**
85	046-75031-172	MASTER MAKING UNIT II ; KA4(G)	EZ201/221	***1**
86	054-28001-003	SEAL ; MASTER FLANGE	EZxx1	***New***
87	054-28002-000	SEAL ; MASTER SET	EZ5x1, 391, 371, 331	***New***
88	054-28003-006	SEAL ; MASTER SET ; LL	EZ301, 2x1	***New***

Drum			Applicable models	Note
89	054-17008-006	SEAL ; COVER REAR HANDLE	EZxx1	***New***

Stripper unit			Applicable models	Note
90	023-12425-303	STRIPPER SUPPORT ; RZ-L	EZxx1	***1**
91	023-75089-257	STRIPPER UNIT	EZxx1	***1**

Electrical parts			Applicable models	Note
92	048-50013-000	NEOROSA-PCB2	EZ5x1, Option	***New***
93	048-50023-005	NEOROSA-PCB2(C)	ESxxx1C, Option	***New***
94	046-75503-457	MECHA-CTL PCB II ; LL	EZ2x1	***2**
95	046-75504-453	MECHA-CTL PCB II ; L	EZ3x1	***2**
96	046-75005-457	MECHA-CTL PCB II ; ML	EZ5x1	***2**
97	046-75507-355	MECHA-CTL PCB II ; LL(C)	ES2xx1C	***2**
98	046-75508-459	MECHA-CTL PCB II ; L(C)	ES3xx1C	***2**

***1: The parts for the previous models also changes, as soon as stock is exhausted.**
***2: New PCB is compatible with EZxx0 and EZxx1, however old PCB is not compatible with EZxx1. (Upward compatible)**

EZxx1 Series Preventive Maintenance Schedule

[M=1,000,000 copies / Av.=55 copies per master]

Section	Check Item	Preventive Maintenance Interval											
		0.25M	0.5M	0.75M	1.0M	1.25M	1.5M	1.75M	2.0M	2.25M	2.5M	2.75M	3.0M
First Paper Feed Section	035-14303 Rubber; Pick-up Roller		◎■		◎■		◎■		◎■		◎■		◎■
	019-11833 Stripper Sheet; 70		◎◆		◎◆		◎◆		◎◆		◎◆		◎◆
	020-11520 L.O.Sheet												⊕
	444-33013 Sensor; PS124TD1 <Paper det.sensor>	△	△	△	△	△	△	△	△	△	△	△	△
Second Paper Feed Section	023-12511 Guide Roller						◆						◆
	612-02101 Gear; M1x15x12 <Timming Roller Gear>		⧗		⧗		⧗		⧗		⧗		⧗
	023-15059 Sector Gear		⧗		⧗		⧗		⧗		⧗		⧗
	023-12501 Timing Roller						■						◎■
	444-32007 Sensor; OF-11R-N23; (Upper) 444-32006 Sensor; OF-11T-N23; (Lower) <Paper sensor>	△	△	△	△	△	△	△	△	△	△	△	△
	Position of G-Lever						⊗						⊗
Drive/Pressure Mechanism Sections	023-15003 Shaft Joint; Drive												◎
	620-00010 Belt; 645-5GT-10 <Main Belt>												◎
	Position of Pressure Lever						⊗						⊗
	046-75013 Pressure Roller Assy II; A3 046-75014 Pressure Roller Assy II; B4 046-75035 Pressure Roller Assy II; A4		■		■		■		■		■		◎■
	Print-Drum "Position-A"						⊗						⊗
	Print-Drum "Position-B"						⊗						⊗
Paper Recieving Section	640-67340 O Ring; 34-3.6 <Air Pump Assy>						◎						◎
	023-21002 Separator						◎⊗						◎⊗
	444-33012 Sensor; GP2A210LCSJF <Paper Ejection Sensor>	△	△	△	△	△	△	△	△	△	△	△	△

Section	Check Item	Preventive Maintenance Interval											
		0.25M	0.5M	0.75M	1.0M	1.25M	1.5M	1.75M	2.0M	2.25M	2.5M	2.75M	3.0M
Drum Section	023-17116 Flange Support Roller; Drum						⊕						⊕
	023-75192 Screen Assy LII				◎				◎				◎
	023-17227 Ink Blocking Plate Front						◎						◎
	023-17226 Ink Blocking Plate Rear						◎						◎
	023-17256 Seal Tape; A3 023-17257 Seal Tape; B4 023-17258 Seal Tape; A4				◎				◎				◎
	Squeegee Gap						⊗						⊗
Master Removal Section	046-24005 Master Removal Roller						◎						◎
	640-60001 O-ring; S42-2.0						◎						◎
	444-43007 Master Loading Sensor		■		■		■		■		■		■
ADF/Scanning Section	023-30075 Stage Pad 2; Stage Cover		◆		◆		◆		◆		◆		◆
	Stage glass	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Master-Making/ -Feeding Sections	046-75016 White Roller Assy II; A3 046-75017 White Roller Assy II; B4 046-75036 White Roller Assy II; D13-B4				◎				◎				◎
	TPH Assy	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
	De-electricity Brush; TPH						◎						◎

⊕ : Replace
◎ : Check for replacement
⊗ : Check for adjustment
□ : Clean with dry cloth
■ : Clean with wet cloth
△ : Clean with air brush
◆ : Clean with IPA-soaked cloth and then with dry cloth
⧗ : Grease